

CLAIMS

05 1) Eyeglass frame which is distinguished by the fact that it contains a first and second hinge, made up of a first body, rotationally linked to a semi-shell shaped earpiece and rotationally interactive, in contrast with an elastically adaptable element, with a second hollow body linked to a frontal piece and/or at least one lens, said first and second earpieces can close to form a shell to temporarily hold said frontal piece and/or at least one lens.

10 2) Eyeglass from as per claim 1 which is distinguished by the fact that said first and second hinge are the same and each made up of a first body comprising a first joining leg, substantially cylindrical in shape from which, near its first flat end a block point radially protrudes, preferably cylindrical.

15 3) Eyeglass frame as per claims 1 and 2 which is distinguished by the fact that at the second end of said first leg is a second block presented in a side view in "T" configuration to define a cylindrical head with a greater diameter than said leg from which a first axial fin protrudes with a parallelepiped surface.

20 4) Eyeglass frame as per claims 1 through 3 that is distinguished by the fact that said first fin is preferably positioning in diameter to said first leg of said first body, parallel to the axis of said first block and has a first loop hole, crosswise on it and therefore orthogonal to a surface

defined by the longitudinal axis of said first leg and the axis of said first block.

05 5) Eyeglass frame as per claims 1 through 4 that is distinguished by the fact that the free end of said first fin frontally defines a first flat block surface, crosswise to said first leg and joined by a curved segment to a second block surface, made up of the lateral wall of said first fin facing from the side from which said first block protrudes, preferably about orthogonal to said first block surface.

10 6) Eyeglass frame as per claims 1 through 5 that is distinguished by the fact that each of said first and second hinges are made up of a second, hollow body equipped with a second, cylindrical shaped leg, inside of which is a first cavity, open at a first end of said second body and coaxial to it.

15 7) Eyeglass frame as per claims 1 through 6 that is distinguished by the fact that on the lateral surface of said first cavity is a first circumferential guide composed of a straight and looping groove that extends for an arch of specific range, for example equal to about 90°, to define, at its opposite ends, a first and second housing.

20 8) Eyeglass frame as per claims 1 through 7 that is distinguished by the fact that said first and second housings, preferably positioned rotated about 90° respectively according to the longitudinal axis of said

first cavity, comprise a protruding curved segment, facing said first end of said second body from the straight segment that joins them.

05 9) Eyeglass frame as per claims 1 through 8 that is distinguished by the fact that beneficially the width of said groove, at its said central, straight segment, is slightly greater than the diameter of said first block to permit sliding.

10 10) Eyeglass frame as per claims 1 through 9 that is distinguished by the fact that said curved segment of said profile of said first and second housings is counter-shaped to said first block to permit the selective housing inside these latter.

11) Eyeglass frame as per claims 1 through 10 that is distinguished by the fact that from said second body protrudes, according to a cord, a second fin, protruding from a second, flat end of said second leg and has a circle arch sectional shape that develops along a generatrix.

15 12) Eyeglass frame as per claims 1 through 11 that is distinguished by the fact that said second fin has a

first flat side that faces the longitudinal axis of said second leg and is preferably parallel to said first housing.

20 13) Eyeglass frame as per claims 1 through 12 that is distinguished by the fact that a bearing, preferably cylindrical shaped, axial to which a second hole is made, preferably threaded, protrudes

orthogonal from said first face, facing about in the same direct of said first housing.

05 14) Eyeglass frame as per claims 1 through 13 that is distinguished by the fact that said first and second hinges comprise an elastically adaptable element, preferably made up of a cylindrical compression rotor spring that can be housed inside said first cavity of said second body and secured, at one of its first ends, on bottom of the latter.

10 15) Eyeglass frame as per claims 1 through 14 that is distinguished by the fact that said first cylindrical leg of said first body can be inserted inside said first cavity, said first block being housed inside said first guide made up of said groove, while said first end of said first leg comes into contact with a second end of said elastically adaptable element.

15 16) Eyeglass frame as per claims 1 through 15 that is distinguished by the fact that said first body is rotationally joined to said second body, since it can rotate along the said longitudinal axis of the said first cavity, so as to selectively pass from a first position, also called the open position, where said first block point is housed inside said first housing, to a second position, also called the folded position, where said
20 first block point is housed inside the said second housing.

17) Eyeglass frame as per claims 1 through 16 that is distinguished by the fact that said first and second hinge are linked to said frontal piece respectively at a first lateral end and a second lateral end of the latter by said bearing.

05 18) Eyeglass frame as per claims 1 through 17 that is distinguished by the fact that said first and second hinges can each restrain a different lens by a fastening screw in the thread made inside said second hole.

10 19) Eyeglass frame as per claims 1 through 18 that is distinguished by the fact that said second flat end of said second leg of said second body acts as a block for a side wall of said lens to prevent any rotation of said first and second hinges around the bearing.

15 20) Eyeglass frame as per claims 1 through 19 that is distinguished by the fact that said first housing of each of said hinges faces down from said frontal piece and is orthogonal to it.

20 21) Eyeglass frame as per claims 1 through 20 that is distinguished by the fact that said first hinge, linked to said frontal piece at its said first end, has said second housing beneficially facing up, while said second hinge, linked to said frontal piece at its said second end, has said second housing beneficially facing down.

22) Eyeglass frame as per claims 1 through 21 that is distinguished by the fact that connected to said frontal piece, in its

central area, is a removable elastic nose piece, preferably made of rubber or other elastic material with a thickness greater than said frontal piece.

05 23) Eyeglass frame as per claims 1 through 22 that is distinguished by the fact that the width of said earpieces is beneficially wider than the thickness of said frontal piece and slightly thinner, at least in their central area, than the thickness of said nose piece, while the length of said earpieces is equal or slightly longer than the distance between the opposite ends of said first and second hinges protruding laterally from said frontal piece.

10 24) Eyeglass frame as per claims 1 through 23 that is distinguished by the fact that each of said, equal earpieces has a front surface with an internal convex profile and rear surface with a concave internal profile, counter-shaped to said front surface so that said earpieces, if longitudinally overlapped, reciprocally match to create a
15 housing.

 25) Eyeglass frame as per claims 1 through 24 that is distinguished by the fact that said first and second earpieces have, at one of their front ends, a third housing, open and slightly thicker than the one on said first fin of said first body to permit insertion.

20 26) Eyeglass frame as per claims 1 through 25 that is distinguished by the fact that said third housing is equipped with a pair of

first pins that face each other and protrude from the lower and upper bases of said third housing towards the interior of the latter.

05 27) Eyeglass frame as per claims 1 through 26 that is distinguished by the fact that said first pins, preferably cylindrical, have a diameter slightly smaller than that of said first hole in said first fin so they can be inserted once that latter is housed inside said third housing, creating a rotating connection between said first earpiece and said first hinge and between said second earpiece and said second hinge respectively.

10 28) Eyeglass frame as per claims 1 through 27 that is distinguished by the fact that said third housing is equipped with a bottom, preferably flat, against which said first block surface can be selectively blocked, frontally defined on each said first fin and said second block surface, orthogonal to it.